		Pushing the En	velope		
		2007 Mathema			
		rade and Course Leve	I Expectations		
Missouri Mathematic	S				
Grade 5	01-1-	04			
Activity/Lesson	State	Standards	Apply appropriate techniques, tools and		
Chemistry (pgs. 25-41)	МО	MA.5.M.2.C.1	Apply appropriate techniques, tools and formulas to determine measurements: determine volume by finding the total number of the same size units needed to fill a space without gaps or overlaps		
,			Analyze change in various contexts: identify,		
Physics and Math			model and describe situations with constant or		
(pgs. 43-63)	МО	MA.5.A.4.A.1	varying rates of change		
		Pushing the En	velone		
		2007 Mathema			
Grade and Course Level Expectations					
Missouri Mathematic					
Grade 6					
Activity/Lesson	State	Standards			
			Understand measurable attributes of objects		
			and the units, systems and processes of		
History of Aviation			measurement: solve problems involving elapsed		
Propulsion (pgs. 5-9)	MO	MA.6.M.1.C.1	time (hours and minutes)		
Types of Engines (pgs. 11-23)	MO	MA.6.M.2.E.1	Apply appropriate techniques, tools and formulas to determine measurements: convert from one unit to another within a system of measurement (mass and weight)		
, ,			, , ,		
Physics and Math			Compute fluently and make reasonable		
(pgs. 43-63)	MO	MA.6.N.3.E.1	estimates: solve problems using ratios and rates		
Physics and Math (pgs. 43-63)	MO	MA.6.A.4.A.1	Analyze change in various contexts: construct and analyze representations to compare situations with constant or varying rates of change		
		Pushing the En			
		2007 Mathema			
Minanusi Mathausa-4!-		rade and Course Leve	I Expectations		
Missouri Mathematic	:5				
Grade 7	State	Standards			
Activity/Lesson	State	Standards	Understand measurable attributes of objects		
History of Aviation Propulsion (pgs. 5-9)	MO	MA.7.M.1.C.1	Understand measurable attributes of objects and the units, systems and processes of measurement: solve problems involving addition and subtraction of time (hours, minutes and seconds)		
Chemistry (pgs. 25-41)	МО	MA.7.M.1.B.1	Understand measurable attributes of objects and the units, systems and processes of measurement: identify the equivalent area and volume measures within a system of measurement (e.g., sq ft. to sq in, m³ to c m³)		

Physics and Math (pgs. 43-63) Physics and Math (pgs. 43-63)	MO MO	MA.7.N.3.E.1 MA.7.A.4.A.1	Compute fluently and make reasonable estimates: solve problems involving proportions, such as scaling and finding equivalent ratios Analyze change in various contexts: compare situations with constant or varying rates of change			
		Bushing the En	volone			
	Pushing the Envelope 2007 Mathematics					
	11 11 11 11 11 11 11 11 11 11 11 11 11					
Grade and Course Level Expectations Missouri Mathematics						
Grades 9-12 (Algebra I)						
Activity/Lesson	State	Standards				
Physics and Math (pgs. 43-63)	MO	MA.9-12.A.4.A.	Analyze change in various contexts: analyze linear and quadratic functions by investigating rates of change, intercepts and zeros			